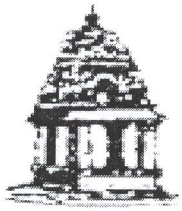


BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAAPURA

Name of Work: *Estimate for Providing to Cement Concrete road and drains in Byrappa Garden in Ward No. 10, (Doddabommasnadra) Vidyaranyapura Sub Division.*

MAYOR GRANT – 2012-13

Estimated Cost: Rs. 34.00 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Providing to Cement Concrete road and drains in Byrappa Garden in Ward No. 10, (Doddabommasnadra) Vidyaranyapura Sub Division.**

									Estimate Cost:	**3400000.00**
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2 : Earth work excavation by manual means in Hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 **Page No. 150 / Item No. 19.2/ PWD SR 2012-13**	Cum							
	Byrappa Garden For CC Road1st Cross		1	75.00	4.50	0.10	33.75		
	2nd Cross		1	78.00	4.50	0.10	35.10		
	3rd Cross		1	70.00	5.00	0.10	35.00		
	4th Cross		1	60.00	4.80	0.10	28.80		
	5th Cross		1	67.00	4.60	0.10	30.82		
	6th Cross		1	20.00	4.80	0.15	14.40		
	Temple Opp Road		4	24.00	3.30	0.10	31.68		
	For CC Drain 5th Cross		2	64.00	0.60	0.60	46.08		
	Ramakrishna House		1	75.00	0.75	0.60	33.75		
			2	81.00	0.60	0.60	58.32		
			1	70.00	0.60	0.60	25.20		
							370.63	81.00	**30021.00**
	Basic Rate	75.00							
	Area Weightage @8%	6.00							
	Total	**81.00**							
2	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 **Page No. 12 /Item No. 4.3 PWD SR - 2012-13**	Cum							
	Byrappa Garden For CC Road1st Cross		1	75.00	4.50	0.15	50.63		
	2nd Cross		1	78.00	4.50	0.15	52.65		
	3rd Cross		1	70.00	5.00	0.15	52.50		
	4th Cross		1	60.00	4.80	0.15	43.20		
	5th Cross		1	67.00	4.60	0.15	46.23		
	6th Cross		1	20.00	4.80	0.15	14.40		
	Temple Opp Road		4	24.00	3.30	0.15	47.52		
	For CC Drain 5th Cross		2	64.00	0.60	0.15	11.52		
	Ramakrishna House		1	75.00	0.75	0.15	8.44		
			2	81.00	0.60	0.15	14.58		
			1	70.00	0.60	0.15	6.30		
							348.50	3884.76	**1353839.00**
	Basic Rate	3597.00							
	Area Weightage @ 8%	287.76							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	**3884.76**							
3	KSR[redacted] 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface** such as **walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No.17 / Item No. 4.31 PWD SR - 2012-13**	Sqm							
	For CC Drain 5th Cross		2x4	64.00		0.45	230.40		
			4	75.00		0.60	180.00		
			2x4	81.00		0.45	291.60		
			4	70.00		0.45	126.00		
							829.80	244.08	**202538.00**
	Basic Rate	226.00							
	Area Weightage @ 8%	18.08							
	Total	**244.08**							
4	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13/ ITem No. 4.11 PWD SR - 2012-13**	Cum							
	For CC Drain 5th Cross		2	64.00	1.50	0.10	19.20		
	Ramakrishna House		1	75.00	1.35	0.10	10.13		
			2	81.00	1.50	0.10	24.30		
			1	70.00	1.35	0.10	9.45		
							62.24	5239.08	**326080.00**
	Basic Rate	4851.00							
	Area Weightage @ 8%	388.08							
	Total	**5239.08**							
5	KSRB 4.9.1: Providing **mild steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19/ Item No. 4.45 PWD SR 2012-13**	Qntl							
			0.50	62.24			**31.12**	7835.40	**243838.00**
	Basic Rate	7255.00							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage 8%	580.40							
	Total	**7835.40**							
6	KSRRB M2600-3: Providing & fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing & technical specification complete as per specifications, MORTH specification No. 2605, **No. 248 Item No. 31.3 PWD SR 2012-13**	M							
			13	4.90			63.70		
			16	4.60			73.60		
			11	4.00			44.00		
			7	3.90			27.30		
							208.60	132.84	**27710.00**
	Basic Rate	123.00							
	Area Weightage @ 8%	9.84							
	Total	**132.84**							
7	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of **mix M20 with OPC cement @ 300 kgs, with 20mm** and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, **No. 12/ Item No. 4.5/ PWD SR 2012-13**	Cum							
	Byrappa Garden For CC Road1st Cross		1	75.00	4.50	0.10	33.75		
	2nd Cross		1	78.00	4.50	0.10	35.10		
	3rd Cross		1	70.00	5.00	0.10	35.00		
	4th Cross		1	60.00	4.80	0.10	28.80		
	5th Cross		1	67.00	4.60	0.10	30.82		
	6th Cross		1	20.00	4.80	0.10	9.60		
	Temple Opp Road		4	24.00	3.30	0.10	31.68		
							204.67	4937.76	**1010611.00**
	Basic Rate	4572.00							
	Area Weightage @ 8%	365.76							
	Total	**4937.76**							
8	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **187 / Item No. 22.7/ PWD SR 2012-13**	Sqm							
	Byrappa Garden For CC Road1st Cross		1	75.00	4.50		337.50		
	2nd Cross		1	78.00	4.50		351.00		
	3rd Cross		1	70.00	5.00		350.00		
	4th Cross		1	60.00	4.80		288.00		
	5th Cross		1	67.00	4.60		308.20		
	6th Cross		1	20.00	4.80		96.00		
	Temple Opp Road		4	24.00	3.30		316.80		
							2046.70	86.40	**176835.00**
	Basic Rate	80.00							
	Area Weightage @ 8%	6.40							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Total	**86.40**							
9	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123)	Cum							
				Vide Item No. 1			**370.63**	72.71	**26947.00**
	Basic rate for haulage of materials as per item no.17.4 page 141) Rs. 2.00								
	Average weight of earth 1.28 tonne / kg for 2X1.28X2.00=5.12	5.12							
	Add loading and unloading Vide item no.17.1 P.no.141	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	**72.71**							
10	Miscellaneous and other Charges	L/S							1581-00 **1647.00**
								Total	**3400000.00**

(Rs. Thirty Four Lakhs Only)

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2012-13.
3 This work included under 2012-13 Mayor Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer

13/2/2013
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 34 Lacks
Rupees Thirty Four Lacks only
Under Mayor Grants P-0190
Registered as EE ( ) No 3.....9.....
Subject to conditions contained in enclosed memo EE(Y) No 956 /9/2012-13
Dt 20.02.2013 Estimate A/Sanctioned SC(Fd) AIA No 956/2012-13
dated 20.02.2013 Rs 34 Lakh

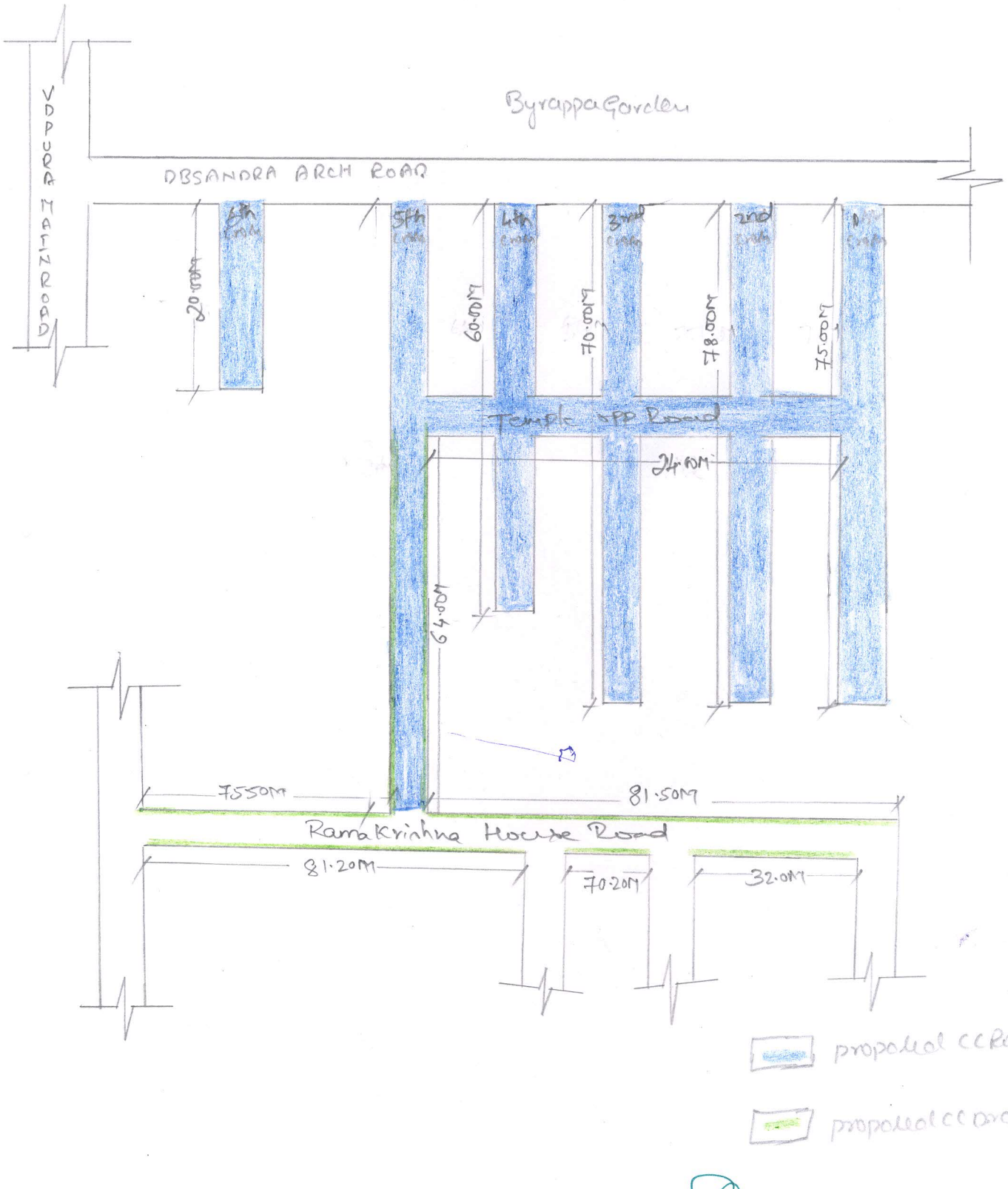
AE/JE

Technical Sanction for Rs. 34.00 lakhs
Thirtyfour lakhs only.
under P0190.
registered as EE No: 140 /12-13 Subject to conditions contained enclosed memo.
No: 140/12-13/4/03/13 Dr.

SE (BTP Div.)

20/2/13
Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92.

Name of Work: Providing to Cement Concrete Roads and Drains in Byrappa Garden in Ward No. 10 Vidyaranyapura Sub Division.



Jodhaw
AE

Assistant Executive Engineer
Vidyaranyapura Sub Divisio
BBMP, Bangalore - 97